HS1 (D83A8) XP® Rabbit mAb



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Applications: WB, IP, IHC-P, IF-IC, FC-FP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 80	Source/Isotype: Rabbit IgG	UniProt ID: #P14317	Entrez-Gene Id: 3059	
Product Usage Information	Арр	olication				Dilution	
	Wes	stern Blotting				1:1000	
	Imn	nunoprecipitation				1:200	
	Immunohistochemistry (Paraffin)					1:100	
Immunofluorescence (Immunocytochemistry)						1:200	
	Flov	Flow Cytometry (Fixed/Permeabilized)				1:200	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20° C. Do not aliquot the antibody.					
Specificity / Sensiti		HS1 (D83A8) XP^{\otimes} Rabbit mAb detects endogenous levels of total HS1 protein. HS1 has a calculated size of 54 kDa, but has an apparent molecular weight of 80 kDa on SDS-PAGE gels.					
Source / Purification	ification Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro310 of human HS1.						
Background	hem intra HS1 provi	HS1 (HCLS1, LckBP1, p75) is a protein kinase substrate that is expressed only in tissues and cells of hematopoietic origin (1,2). HS1 contains four cortactin repeats and a single SH3 domain (2). This intracellular protein is phosphorylated following immune receptor activation, which promotes recruitment of HS1 to the immune synapse (3-5). Phosphorylation of HS1 is required to regulate actin dynamics and provide docking sites for many other signaling molecules, such as Vav1 and PLCγ1 (6). HS1 also plays an important role in platelet activation (7).					
Background Refere	2. Ki 3. Su 4. Ha 5. Ya 6. Go	 Kitamura, D. et al. (1989) Nucleic Acids Res 17, 9367-79. Kitamura, D. et al. (1995) Biochem Biophys Res Commun 208, 1137-46. Suzuki, H. et al. (1997) J Immunol 159, 5881-8. Hata, D. et al. (1994) Immunol Lett 40, 65-71. Yamanashi, Y. et al. (1993) Proc Natl Acad Sci USA 90, 3631-5. Gomez, T.S. et al. (2006) Immunity 24, 741-52. Kahner, B.N. et al. (2007) Blood 110, 2449-56. 					

Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS,

0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key WB: Western Blotting IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin)

IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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Limited Uses

HS1 (D83A8) XP® Rabbit mAb (#3890) Datasheet Without Images Cell Signaling Technology

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